

Len Washington III

EDUCATION

Illinois Institute of Technology, Chicago, IL, 60616

Graduated: May 16, 2026

M.A.S, Artificial Intelligence

B.S, Artificial Intelligence (minor: **Energy/Environment/Economics**)

Relevant Courses Data Mining, Advanced AI, Machine Learning, AI Language Understanding, Deep Learning, Software Engineering, Data Preparation and Analysis, Efficient ML Systems

Dean's List Fall 2023, Spring 2024, Fall 2024, Fall 2025, Spring 2026

WORK EXPERIENCE

Senior Research Aide

November 2024 – Present

Argonne National Laboratory

- Designing and implementing user account functionality to transition from universal guest access.
- Added support for Ollama LLMs for **EXSCLAIM** so it can run with local LLMs.
- Rewrote the website's codebase from React to Dash (Python) to downscale the resources needed to run the UI.
- Added PDF-scanning support to the EXSCLAIM pipeline's capabilities.

SULI Intern

May 2024 – August 2024

Argonne National Laboratory

- Refactored the original **EXSCLAIM** and **UI** codebase to work with more recent versions of Python.
- Implemented a new API to allow users around the world to interface with our module.
- Developed Docker images for all parts of the module to improve accessibility to users who want to run the module locally.
- Wrote an AIP-styled manuscript detailing the changes and results from my work.

Youth District Advisory Council Member

June 2023 – August 2023

Chicago Police Department

- Led discussions on ways to better connect with the community to improve police relations.
- Contributed to the community by helping improve the neighborhoods that we live and operate in by managing toy drives for youth and community clean ups.
- Developed and revitalized CPD's Police Athletics and Arts League (P.A.A.L) to better spark interest with younger members of the community.

PROJECTS

IBM Remote Telescope Commission

September 2023 – May 2024

Interprofessional Project (IPRO 497)

Illinois Institute of Technology

- Translated legacy imaging software from Swift to Java.
- Implemented a REST API using Java and Jakarta allowing users to connect to the service using HTTP.
- Constructed a gyroscope using an Arduino Uno to limit the telescope's range of movements to prevent it from crashing.

WCS Banking (Mock Banking Website)

September 2022 – December 2022

Database Organization (CS 425)

Illinois Institute of Technology

- Developed a banking application with a full PostgreSQL backend.
- Allowed users to create accounts and deposit, withdrawal or transfer funds between accounts, including a custom 2-Factor Authentication to secure user login.
- Learned how to generate webpages with PHP and maintain a LAMP server.

CERTIFICATIONS

Cognitive Cloud Open Development from IBM Watson Cloud Academy

August 6, 2024

BA1003x: Reinforcement Learning from edX

December 23, 2025

LEADERSHIP EXPERIENCE

Illinois Tech Esports – Rocket League Team Captain → Game Lead

September 2022 – August 2024

- Coordinated collegiate matches between our team with other colleges.
- Implemented weekly training regiments for our team which resulted in an increase in matches from 0-5 to 3-3.
- Coordinated review sessions to review past games to improve future coordination.

PROFESSIONAL ORGANIZATIONS

- National Society of Black Engineers (NSBE)
- Triangle STEM Fraternity

LINKS

[in @len-washington-iii](#)

[@lwashington3](#)

[0009-0004-0165-6316](#)

<https://lenwashingtoniii.com>

SKILLS

Languages

Python

Java

R

C#

PHP

Javascript

C/C++

Technologies

HTML/CSS

L^AT_EX

Git

Docker

Markdown/RMarkdown

Apache

Nginx

ArcGIS

Frameworks

PyTorch

Playwright

Pandas

Numpy

Matplotlib

Tensorflow

Scikit-Learn

React

Database Management

PostgreSQL

MySQL

INTERESTS

Artificial Intelligence

Data Science/Analytics

Sustainable Energy

Stock Trading

Information Technology

Networking